Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 06:00 on Thursday 17 Aug 2023 until 23:59 on Friday 18 Aug 2023

Forecast Issued on Thursday 17 Aug 2023 at 03:17

Confidence: High confidence for warmer and more settled conditions on Thursday, before a band of thundery rain and showers moves east during Friday. Lower confidence on the timing and extent of the thundery rain/showers, and some uncertainty regarding the extent of overnight fog patches/low cloud ahead of this feature.

Headline for Thursday 17 Aug 2023: Areas of low cloud with mist and fog soon lifting, then mostly dry with sunny spells developing, just an isolated light shower possible in afternoon.

Mountain weather hazards on Thursday 17 Aug 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Low Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** High Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Cloudy	Cloudy	Sunny intervals	Sunny intervals	Sunny intervals	Partly cloudy (night)
Precipitation probability					
30%	20%	10%	10%	10%	10%

Forecast for Thursday 17 Aug 2023

Weather: Any areas of low cloud bringing mist and fog soon lifting and clearing on Thursday morning to leave a largely dry day with sunny spells. Some cloud building to give chance of an isolated, light shower by the afternoon across far western areas of the Park. Feeling very warm by afternoon in the strong sunshine. Strong easterly winds, gusty at times. Low cloud may return to some northern and eastern areas around dusk.

Chance of cloud-free hill tops above 600m: Generally 90% or more, but 30% or less for a time on Thursday morning, and perhaps again after dusk across some northern and eastern areas.

Low Cloud and visibility: Areas of low cloud with some mist and fog, will clear to leave generally good or very good visibility and cloud probably above summits for much of daylight hours.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Thursday 17 Aug 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/15 E	16/22 E	17/23 E	16/24 E	16/25 E	18/28 E	17/27 E
300	8/18 E	11/20 E	12/22 SE	13/24 E	12/25 E	13/27 E	11/25 E
Valley	8/17 E	11/21 E	12/24 SE	11/23 SE	12/24 E	12/27 E	13/28 E

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	12/10	12/10	14/12	16/13	14/11	11/8	10/7
300	14/13	16/14	18/16	19/16	16/14	13/11	12/10
Valley	15/14	18/16	20/18	21/19	18/16	14/12	14/11
Freezing Level*	2400m	2500m	2500m	2500m	2500m	2400m	2400m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

UV levels moderate to high, so sun protection is advisable. Drinking water also strongly advised.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Wed 16 Aug 2023	0mm	19.6mm	26.4mm

Forecast for Friday 18 Aug 2023

Weather: Areas of mist and low cloud spreading from east and northeast across all areas in early hours of Friday morning. Increasing chance of thundery showers or longer spells of thundery rain late Friday morning and lasting into the afternoon. Feeling humid, with uncertainty about low cloud lifting and breaking for a time in afternoon. Thickening and lowering cloud bringing further showers and late evening rain, with embedded thunderstorms giving a very wet end to Friday. Winds becoming strong.

Maximum wind: East or southeast with isolated gusts reaching around 40mph.

Chance of cloud-free hill tops above 600m: 30% or less to start early hours of Friday becoming 60% for much of daylight hours then 30% or less as evening rain arrives later.

Low Cloud and visibility: Areas of widespread 400m in morning then broken bases 700m for a time in afternoon. Visibility generally moderate to poor with very poor visibility in cloud. Visibility may become moderate or good for a time in the afternoon.

Temperature: **Valleys:** Plus 12 degrees Celsius rising to Plus 20 degrees Celsius.
At 600m: Plus 10 degrees Celsius rising to Plus 14 degrees Celsius.
Freezing level: Well above summits.

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